

NCMC-8: Polymer Formulations II October 27-28, 2005 ◊ Bldg. 101 / Lecture Rm. A

Thursday, October 27th, 2005

8:00 am 8:30 am	Registration Continental Breakfast Welcome and Introduction	3:30 pm	Combinatorial Studies of the Effect of Polymer Grafting Density on Protein Adsorption and Cell Adhesion Ying Mei, NIST Polymers
0.00 a	Michael Fasolka, Director, NCMC	4:00 pm	Poster Session
8:45 am	Formulations Project Overview Kathryn Beers , <i>NCMC</i>	6:30 pm	Dinner (Dogfish Head Ale House)
9:15 am	Keynote Lecture: Klavs Jensen, Massachusetts Institute of Technology		Friday, October 28 th , 2005
10:00 am	Coffee Break	8:30 am	Continental Breakfast
10:20 am	Optical Manipulation of Nanocontainers and Nanotubes from Self-assembled Membranes	9:00 am	On-line Spectroscopic Monitoring of Polymer Reactions in Microfluidic Devices Susan Barnes, NCMC
	Kristian Helmerson, Physics Lab, NIST	9:30 am	Solution and Surface Gradients from
10:50 am	Perfluoropolyethers as Enabling Materials in Micro- and Nano-technologies		Microchannel Confinement Chang Xu, NCMC
11:20 am	Jason Rolland, Liquidia Micro-scale machine technologies	10:00 am	Evaluation of Interfacial Adhesion Strength using Compositional Libraries of Epoxy Films
	Bradley Damazo, <i>Manufacturing Eng. Lab, NIST</i>		Jae Hyun Kim, NIST Polymers
11:45 am	Lunch (NIST cafeteria, Bldg. 101)	10:25 am	Coffee Break
1:15 pm	Keynote Lecture: Robert Lochhead, University of Southern Mississippi	10:55 am	Recent Developments in SIEBIMM and Reverse SIEBIMM Shu Guo, NCMC
2:00 pm	Warts, glory and the consumer High throughput research at Unilever R & D Port Sunlight	11:20 am	A Combinatorial Melt Mirco-rheometer for Characterization of Polymer Resins Anthony Bur, NCMC
	Sarah Hosking, Unilever	11:45 am	NCMC Update Michael Fasolka, Director, NCMC
2:30 pm	Coffee Break	12:00 nm	
3:00 pm	Novel Photonic Devices as Enabled by a New Electro-Optic Architecture Scott Davis , Vescent Photonics	12:00 pm	Lunch (NIST cafeteria, Bldg. 101)
		1:30 pm	NCMC lab tours, demos, etc.
		4:00 pm	Meeting End